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FIG. 1

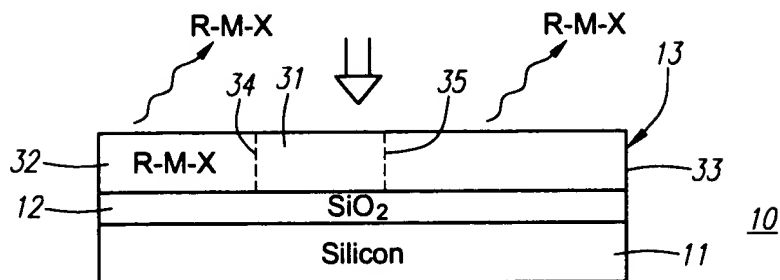


FIG. 2

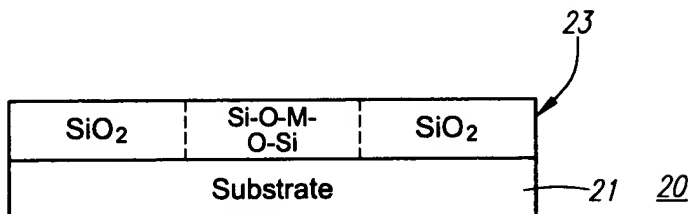


FIG. 3

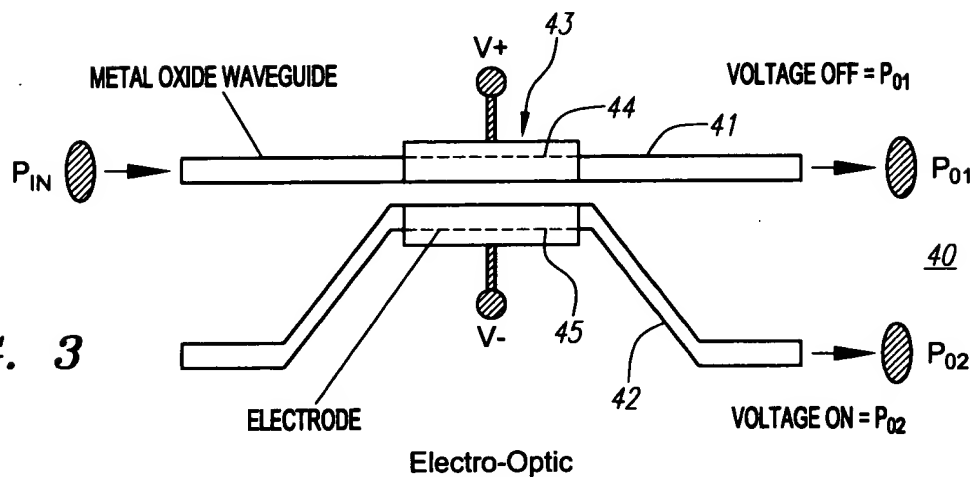
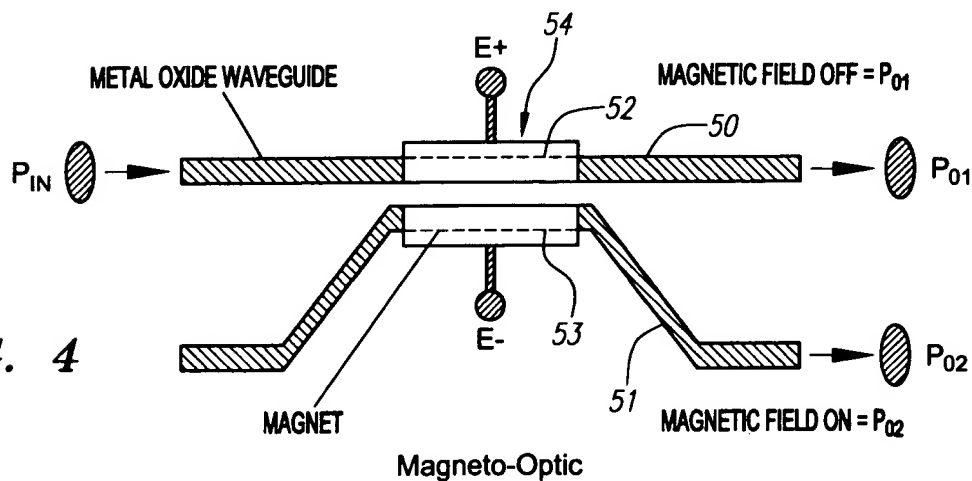


FIG. 4



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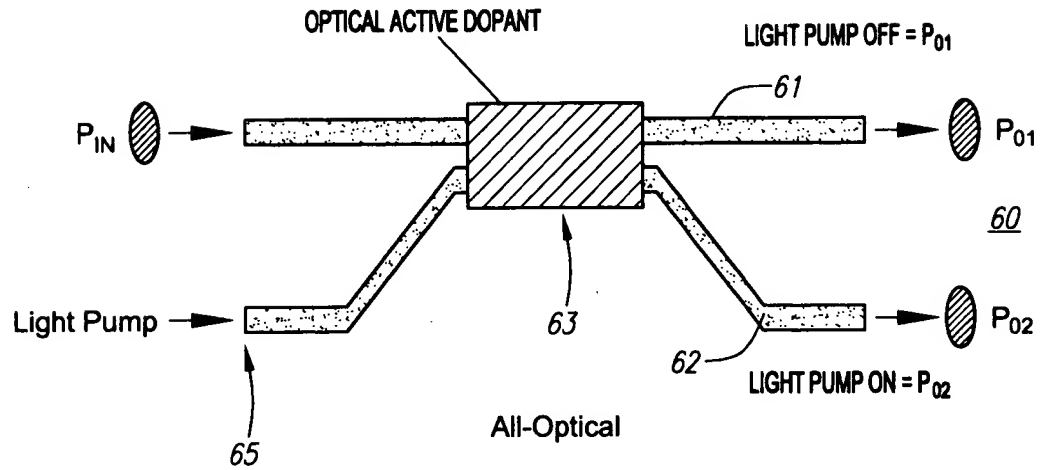


FIG. 5

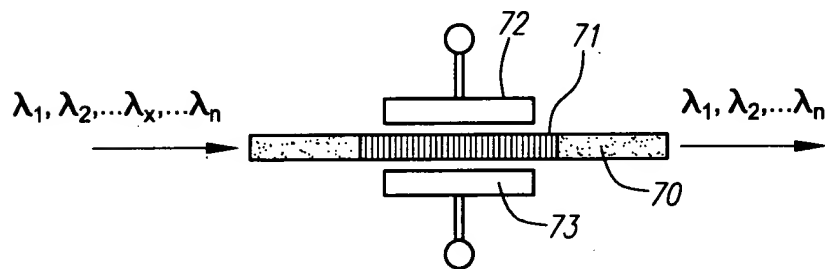


FIG. 6

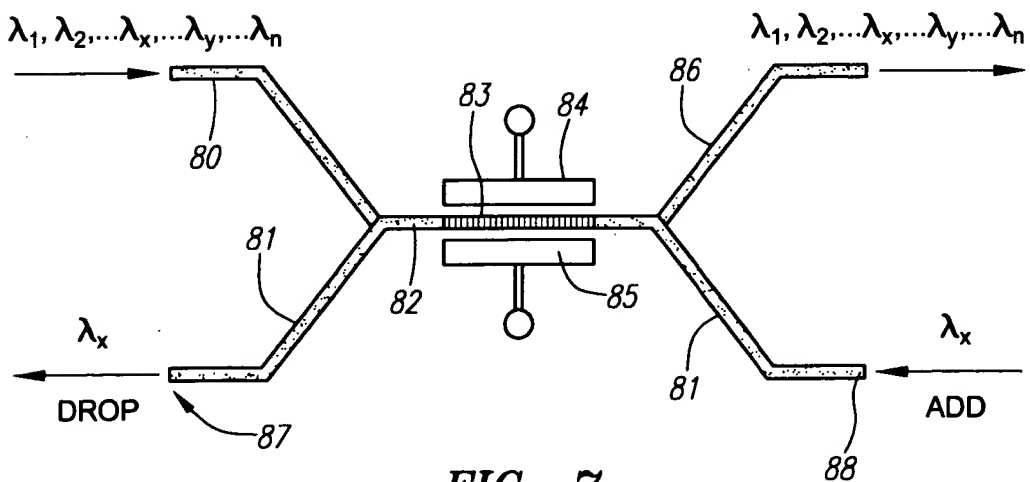


FIG. 7

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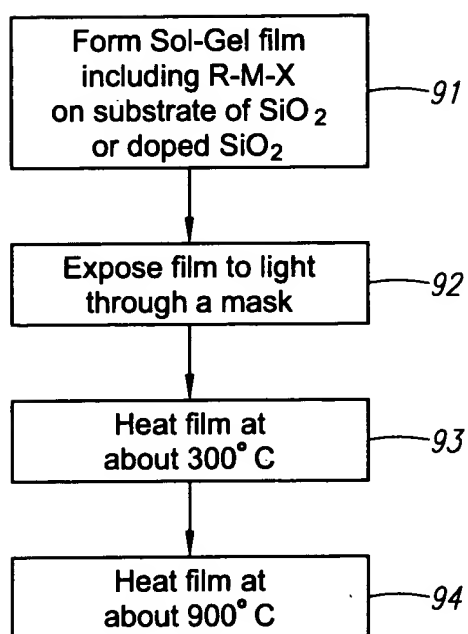
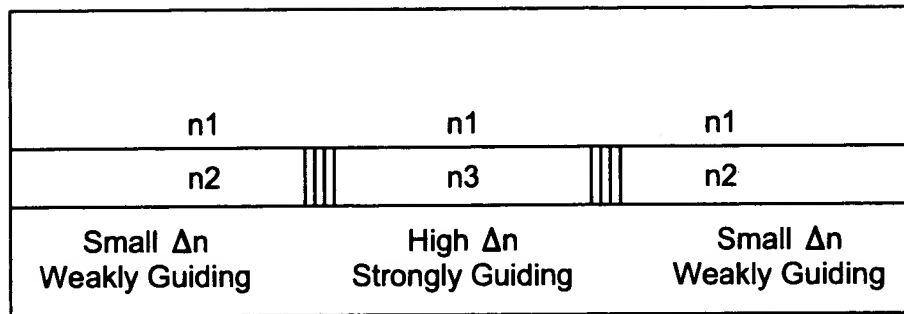


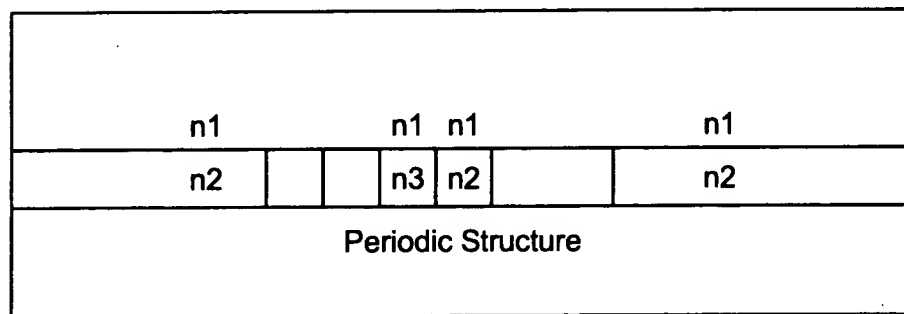
FIG. 8

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Waveguide structure with altered refractive index profile

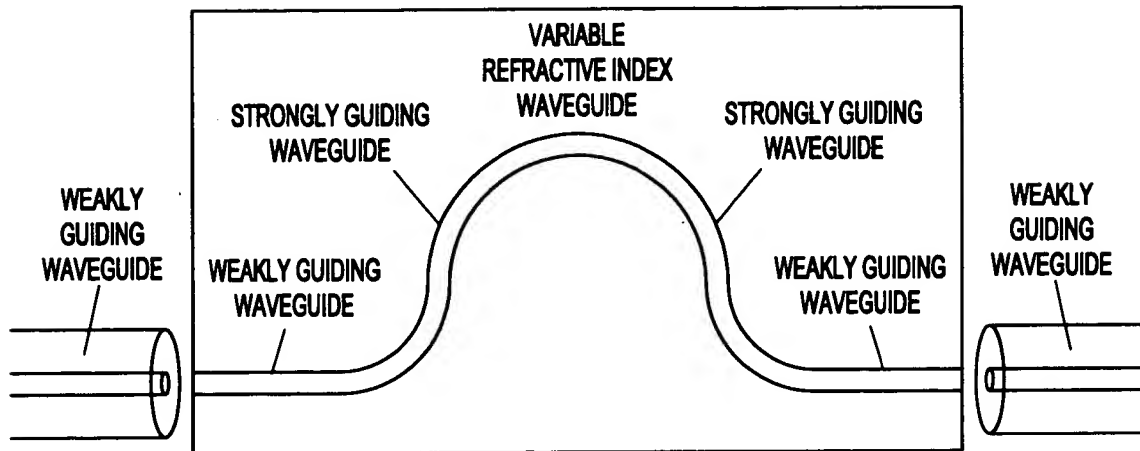
FIG. 9



Waveguide structure with altered periodic refractive index profile

FIG. 10

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Waveguide structure with tight curvatures using variable refractive index profiles

FIG. 11

n1	n1	n1
n2	n3	n2
Passive Weakly Guiding	Active Strongly Guiding	Passive Weakly Guiding

Active waveguide structure with variable refractive index profiles

FIG. 12

REPLACEMENT SHEET

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FIG. 13

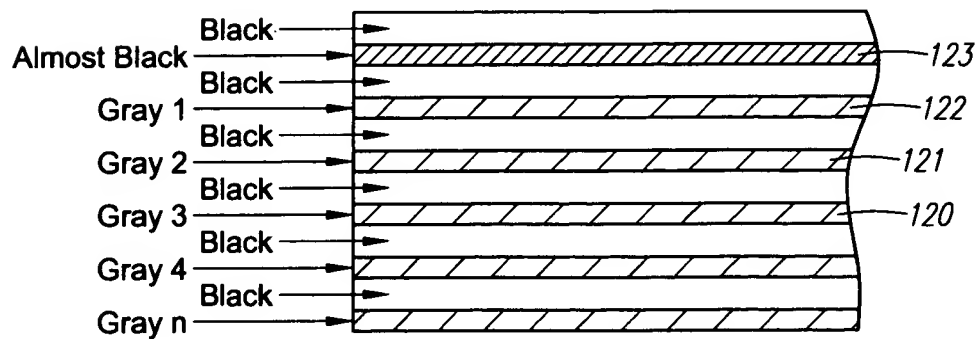
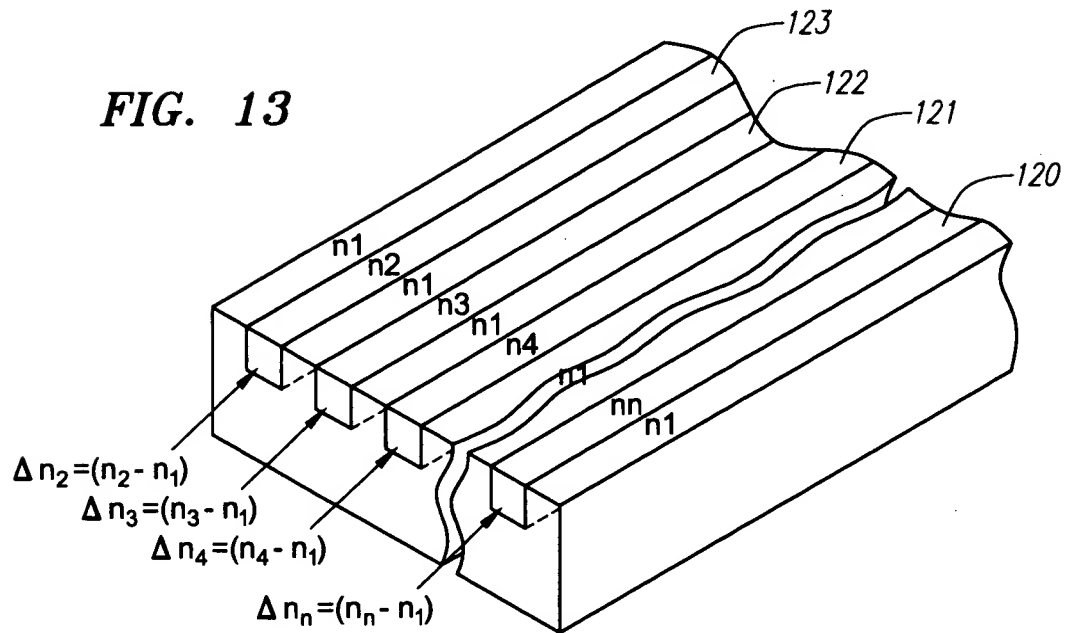


FIG. 14

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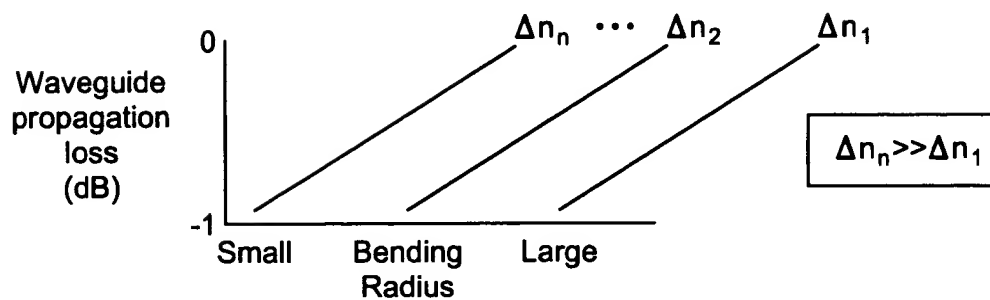


FIG. 15

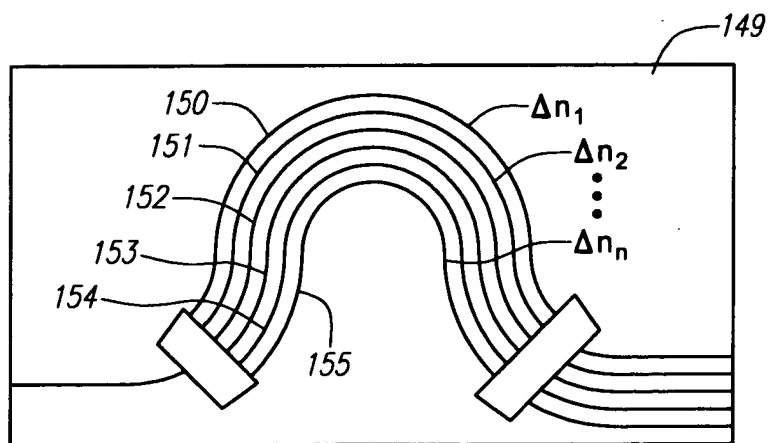


FIG. 16

REPLACEMENT SHEET

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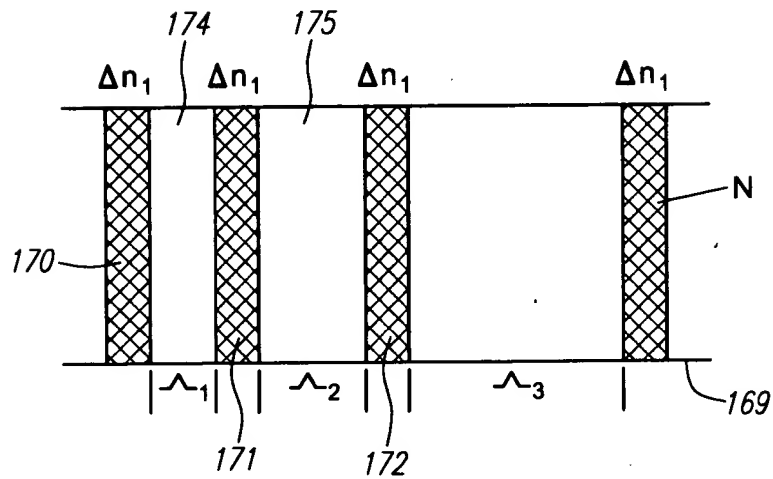


FIG. 17
(PRIOR ART)

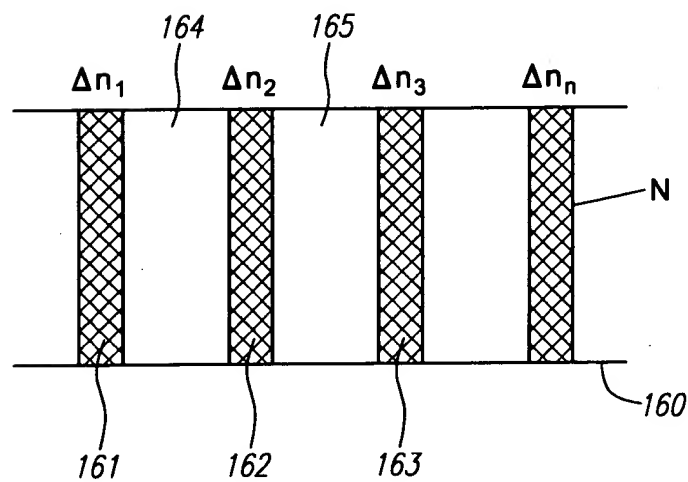


FIG. 18

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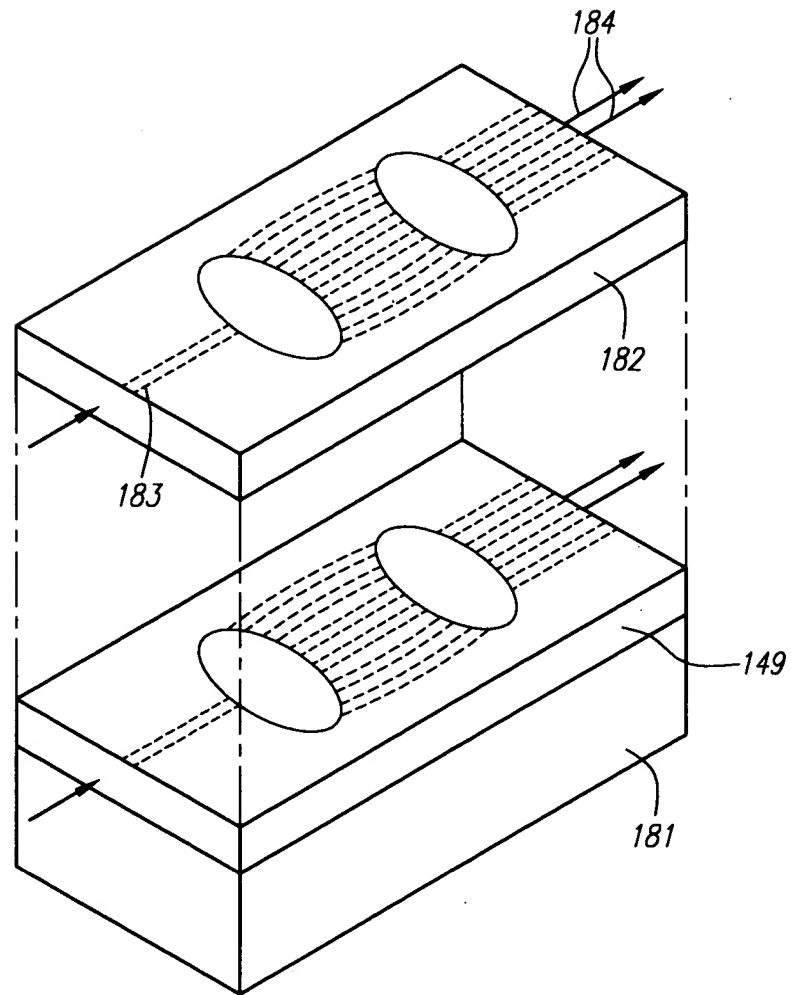


FIG. 19

REPLACEMENT SHEET

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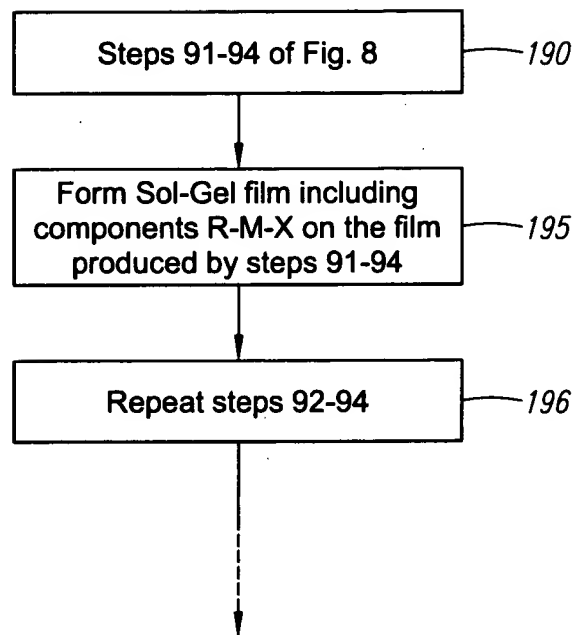


FIG. 20